

# Comparisons of Job Characteristics

Focus Occupation: **Geographers (19-3092)**

Associated Occupation: **Social Science Research Assistants (19-4061)**

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 63

Focus Occupation: Geographers (19-3092)

Associated Occupation: Social Science Research Assistants (19-4061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
English Language	11.2	16.2	17.2	0	Current knowledge level may be sufficient
Clerical	7.3	11.5	7.2	<<	Extensive education and/or training may be required
Law and Government	5.9	10.5	9.0	<	Expanded education and/or training may be required
Psychology	6.4	9.0	6.9	<	Expanded education and/or training may be required
Sociology and Anthropology	4.1	8.5	15.2	>>	Current knowledge level is likely more than sufficient
Geography	3.9	8.0	24.8	>>	Current knowledge level is likely more than sufficient
History and Archeology	2.6	5.1	10.7	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Geographers (19-3092)

Associated Occupation: Social Science Research Assistants (19-4061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	6.2	9.0	9.6	0	Current skill level may be sufficient
Science	4.5	7.5	13.8	>>	Skill level is likely more than sufficient
Programming	2.2	4.7	2.3	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 98			
Focus Occupation: Geographers (19-3092)					
Associated Occupation: Social Science Research Assistants (19-4061)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	13.6	14.9	0	Current ability level may be sufficient
Oral Expression	12.4	13.3	15.7	>	Current ability level is likely sufficient
Written Comprehension	11.0	12.8	14.4	>	Current ability level is likely sufficient
Written Expression	9.8	11.8	15.2	>>	Current ability level is likely more than sufficient
Deductive Reasoning	10.6	11.0	12.8	>	Current ability level is likely sufficient
Near Vision	11.1	11.0	13.3	>	Current ability level is likely sufficient
Problem Sensitivity	11.1	10.8	12.0	>	Current ability level is likely sufficient
Speech Clarity	10.2	10.8	13.6	>	Current ability level is likely sufficient
Originality	7.6	8.9	9.7	0	Current ability level may be sufficient
Number Facility	6.3	8.4	10.6	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 84
Focus Occupation: Geographers (19-3092) Associated Occupation: Social Science Research Assistants (19-4061)		
Work Activities	Exclusivity of Activity	
Analyze ecosystem data	69	
Analyze social or economic data	63	
Collect scientific or technical data	30	
Collect social or personal information	70	
Collect statistical data	47	
Communicate technical information	4	
Compile data on economic, social, or physical factors affecting land use	92	
Compile information through interviews	68	
Compile numerical or statistical data	38	
Develop or maintain databases	30	
Develop tables depicting data	33	
Draw maps or charts	69	
Interpret charts or tables for social or economic research	70	
Maintain awareness of social trends	71	

Maintain records, reports, or files	5
Make presentations	13
Prepare reports	8
Prepare technical reports or related documentation	22
Read maps	42
Recognize interrelationships among individuals or social groups	74
Use computers to enter, access or retrieve data	3
Use current social research	62
Use interviewing procedures	23
Use knowledge of investigation techniques	16
Use library or online Internet research techniques	21
Use mathematical or statistical methods to identify or analyze problems	30
Use quantitative research methods	35
Use relational database software	26
Use scientific research methodology	21
Use spreadsheet software	18
Use word processing or desktop publishing software	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 69

**Focus Occupation: Geographers (19-3092)**

**Associated Occupation: Social Science Research Assistants (19-4061)**

Tools and Technologies	Exclusivity
Cameras	2
Computer data input devices	2
Computer printers	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Information exchange software	1
Network applications software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.